

**U.S. DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS SAFETY
HAZARDOUS MATERIALS INFORMATION SYSTEM
HAZMAT SUMMARY BY MODE / CAUSE**

Mode / Cause	Incidents	CALENDAR YEAR 2003 Injuries		Deaths	Damages
		Major	Minor		
Air					
Human Error	662	0	1	0	90,257
Package Failure	86	0	0	0	5,495
Vehicular Accident/Derailment	0	0	0	0	0
Other	3	0	0	0	4,731
SUBTOTAL:	751	0	1	0	100,483
Highway					
Human Error	11,741	8	55	1	8,560,297
Package Failure	1,526	3	22	5	1,741,681
Vehicular Accident/Derailment	296	4	12	8	36,286,160
Other	47	1	0	0	1,207,331
SUBTOTAL:	13,610	16	89	14	47,795,469
Railway					
Human Error	451	0	6	0	579,572
Package Failure	314	1	6	0	355,659
Vehicular Accident/Derailment	42	0	0	0	3,174,532
Other	2	0	0	0	16,402
SUBTOTAL:	809	1	12	0	4,126,165
Water					
Human Error	6	0	0	0	132,314
Package Failure	4	0	0	0	129,010
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0
SUBTOTAL:	10	0	0	0	261,324
Others					
Human Error	0	0	0	0	0
Package Failure	0	0	0	0	0
Vehicular Accident/Derailment	0	0	0	0	0
Other	0	0	0	0	0
SUBTOTAL:	0	0	0	0	0
Total - 2003	15,180	17	102	14	52,283,441

Note: Due to multiple causes being involved in a single incident, the total above may not correspond to the total in the other reports.